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10/694,518	10/27/2003	Rikin S. Patel	014208.1636 (93-03-019)	1895
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BAKER BOTTS L.L.P. 2001 ROSS AVENUE, 6TH FLOOR DALLAS, TX 75201-2980			EXAMINER CHOU, ANDREW Y	
			ART UNIT	PAPER NUMBER
			2192	
			NOTIFICATION DATE	DELIVERY MODE
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No. 10/694,518	Applicant(s) PATEL, RIKIN S.	
	Examiner Andrew Y. Chou	Art Unit 2192	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 July 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-30 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on _____ is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This action is responsive to the Remarks filed on 07/30/2007.
2. Claims 1-30 are pending.

Response to Amendment

3. Applicant's arguments, see Remarks pages 7-13, filed on 07/30/2007, with respect to the rejection(s) of claim(s) 1-30 under 35 U.S.C 102 have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Ankireddipally et al. US 2003/0172368 A1 (hereinafter Ankireddipally).

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 1-30 are rejected under 35 U.S.C. 102(a) as being anticipated by Ankireddipally et al. US 2003/0172368 A1 (hereinafter Ankireddipally).

Claim 1:

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Ankireddipally discloses a schema generator, comprising:

a computer readable storage medium (see for example FIG. 9, "item 104, "memory", and related text);

computer software stored on the computer readable storage medium and operable to:

parse a plurality of transaction definitions for a software system, wherein each transaction definition comprises one or more parameters (see for example Abstract, and column 7, lines 30-45);

generate a plurality of schema definitions in response to the plurality of transaction definitions, wherein the schema definitions are written in a self-describing language (see for example column 12, lines 29-41);

wherein a first schema definition is operable to map the one or more parameters associated with a first transaction definition to a first document written in the self-describing language (see for example column 10, lines 32-50, see "extracting transaction data from XML-based message ... and returning an XML document."); and

wherein a second schema definition is operable to map a second document written in the self-describing language to the one or more parameters associated with a second transaction definition (see for example column 12, lines 29-41).

Claim 2:

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Ankireddipally further discloses the schema generator of claim 1, wherein the self-describing language comprises XML or any version thereof (see for example column 11, lines 60-66, "XML/DOM Service").

Claim 3:

Ankireddipally further discloses the schema generator of claim 1, wherein the self-describing language comprises HTML or any version thereof (see for example column 12, lines 1-3).

Claim 4:

Ankireddipally further discloses the schema generator of claim 1, wherein the self-describing language comprises a language that employs hypertext (see for example column 12, lines 1-3).

Claim 5:

Ankireddipally further discloses the schema generator of claim 1, wherein the software system comprises an IMS system (see for example FIG. 9, item 100, and related text).

Claim 6:

Ankireddipally further discloses the schema generator of claim 1, wherein the transaction definitions are associated with a message format service (see for example Abstract, "...manages message flow...").

Claim 7:

Ankireddipally further discloses the schema generator of claim 6, wherein the self-describing language comprises XML or any version thereof see for example column 11, lines 60-66, "XML/DOM Service").

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Claim 8:

Ankireddipally discloses a method for generating a plurality of schema definitions, comprising:

parsing a plurality of transaction definitions for a software system, wherein each transaction definition comprises one or more parameters (see for example Abstract, and column 7, lines 30-45);

generating a plurality of schema definitions in response to the plurality of transaction definitions, wherein the schema definitions are written in a self-describing language (see for example column 12, lines 29-41);

wherein a first schema definition is operable to map the one or more parameters associated with a first transaction definition to a first document written in the self-describing language (see for example column 10, lines 32-50, see "extracting transaction data from XML-based message ... and returning an XML document."); and

wherein a second schema definition is operable to map a second document written in the self-describing language to the one or more parameters associated with a second transaction definition (see for example column 12, lines 29-41, "xml").

Claim 9:

Ankireddipally further discloses the method of claim 8, wherein the self-describing language comprises XML or any version thereof (see for example column 11, lines 60-66, "XML/DOM Service").

Claim 10:

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Ankireddipally further discloses the method of claim 8, wherein the self-describing language comprises HTML or any version thereof (see for example column 11, lines 60-66, "XML/DOM Service").

Claim 11:

Ankireddipally further discloses the method of claim 8, wherein the transaction definitions are associated with a message format service (see for example Abstract, "...manages message flow...").

Claim 12:

Ankireddipally discloses a transaction processing system (see for example FIG. 1, and related text) comprising:

- a software service operable to receive a transaction request and to generate a first object associated with the transaction request (see for example column 10, lines 3-17, see commerce exchange component, CXC);

- an object generator operable to convert the first object into a first document written in a self-describing language (see for example column 10, lines 32-50, see "extracting transaction data from XML-based message ... and returning an XML document."); and

- a document generator operable to convert the first document into a first transaction message according to a schema associated with a first transaction type determinable from the first document (see for example column 10, lines 32-50, see "...returns one or more DOM objects ... for handling as standard program objects.").

Claim 13:

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Ankireddipally further discloses the transaction processing system of claim 12, wherein the self-describing language comprises XML or any version thereof (see for example column 11, lines 60-66, "XML/DOM Service").

Claim 14:

Ankireddipally further discloses the transaction processing system of claim 12, wherein the self-describing language comprises HTML or any version thereof (see for example column 11, lines 60-66, "XML/DOM Service").

Claim 15:

Ankireddipally further discloses the transaction processing system of claim 12, wherein the transaction generator is further operable to send the first transaction message to a message format (see for example Abstract, "...manages message flow...").

Claim 16:

Ankireddipally further discloses the transaction processing system of claim 12, wherein the document generator is further operable to receive a second transaction message and convert the second transaction message into a second document according to a schema associated with a second transaction type determinable from the second transaction message document (see for example column 10, lines 3-17, see commerce exchange component, CXC); and

wherein the second document is written in the self-describing language (see for example column 11, lines 60-66, "XML/DOM Service").

Claim 17:

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Ankireddipally further discloses the transaction processing system of claim 16, wherein the object generator is further operable to convert the second document into a second object (see for example column 10, lines 32-50, see "extracting transaction data from XML-based message ... and returning an XML document.").

Claim 18:

Ankireddipally further discloses the transaction processing system of claim 17, wherein the software service is further operable to receive the second object in response to the transaction request (see for column 5, lines 47-64).

Claim 19:

Ankireddipally further discloses the transaction processing system of claim 18, wherein the self-describing language comprises XML (see for example column 11, lines 60-66, "XML/DOM Service").

Claim 20:

Ankireddipally further discloses the transaction processing system of claim 16, wherein the software service is further operable to receive the second document in response to the transaction request (see for column 5, lines 47-64).

Claim 21:

Ankireddipally further discloses the transaction processing system of claim 12, wherein the software service comprises a web service, and wherein the definition of the first object has been published in a registry (see for example FIG. 2, and related text).

Claim 22:

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Ankireddipally discloses a method for processing a transaction, comprising:

receiving a transaction request (see for example FIG. 2, step 50,

“Transaction DTD”);

generating a first object associated with the transaction request (see for example FIG. 2, item 200, and related text); and

converting the first object into a first document written in a self-describing language language (see for example column 10, lines 32-50, see “extracting transaction data from XML-based message ... and returning an XML document.”); and

converting the first document into a first transaction message according to a schema associated with a first transaction type determinable from the first document ((see for example FIG. 3, and see for example column 10, lines 32-50, see “...returns one or more DOM objects ... for handling as standard program objects”, and related text).

Claim 23:

Ankireddipally further discloses the method of claim 22, wherein the self-describing language comprises XML or any version thereof (see for example column 11, lines 60-66, “XML/DOM Service”).

Claim 24:

Ankireddipally further discloses the method of claim 22, wherein the self-describing language comprises HTML or any version thereof (see for example column 11, lines 60-66, “XML/DOM Service”).

Claim 25:

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Ankireddipally further discloses the method of claim 22, further comprising:
sending the first transaction message to a message format service (see for example FIG. 2, item 200, and related text).

Claim 26:

Ankireddipally further discloses the method of claim 22, further comprising:

receiving a second transaction message (see for example FIG. 2, step 50, "Transaction DTD");

converting the second transaction message into a second document according to a schema associated with a second transaction type determinable from the second transaction message (see for example FIG. 2, item 200, and related text); and

wherein the second document is written in the self-describing language (see for example column 11, lines 60-66, "XML/DOM Service").

Claim 27:

Ankireddipally further discloses the method of claim 26, further comprising:

converting the second document into a second object (see for example column 10, lines 32-50, see "extracting transaction data from XML-based message ... and returning an XML document.").

Claim 28:

Ankireddipally further discloses the method of claim 27, further comprising:

receiving the second object in response to the transaction request (see for example FIG. 2, item 200, and related text).

Claim 29:

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Ankireddipally further discloses the method of claim 28, further comprising:
wherein the self-describing language comprises XML (see for example column 11, lines 60-66, "XML/DOM Service").

Claim 30:

Ankireddipally further discloses the method of claim 22, wherein the first object is generated by a web service and wherein the definition of the first object has been published in a registry (see for example FIG. 9, item 140, and related text).

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew Y. Chou whose telephone number is (571) 272-6829. The examiner can normally be reached on Monday-Friday, 8:00 am – 4:30 pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Q. Dam, can be reached on (571) 272-3695.

The fax phone number for the organization where this application or proceeding is assigned is (571) 273 8300.

Any inquiry of a general nature of relating to the status of this application or proceeding should be directed to the TC 2100 Group receptionist whose telephone number is (571) 272 2100.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll free).

AYC



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